Manufacturing of:
Oilfield / Processing Equipments
Transportation Equipments

Expertise is your need...
Experience is our strength...
Welcome

The company was established in 2002, to meet the growing demands for commercial vehicle superstructures, Trailers, Process equipment and pumping system across the MENA region.

Today ACORN name is synonymous with transport and oil field solutions. Headquarter in emirate of Sharjah, it is strategically located in UAE and serves as a gateway for the MENA region as well.

After two decades of being in this business in the name of ACORN INDUSTRIES, under GIGICO management have demonstrated their domain knowledge thru successful delivery of products of varied requirements meeting international quality standards.

ACORN business caters to broadly three verticals:

1. Transportation Equipment – Trailers, Flat bed, Low bed, Car Carriers, Tipping Trailers, Fuel & Acid Tankers, Vacuum Tankers, Water Tankers, Cement Bulkers, etc.

2. Process Equipment – Pressure Vessels, Silos (Single, Twin, Tripod), Frac Tanks, Batch mixers (Skid & Trailer mounted), Cementing Unit, Weigh Batch Blenders, Cutting Bottles, Dust Collectors, C-Pump Skid, Cement Bulkers, Acid-Chemical Tankers, etc.

3. Pump Division – We represents world renowned brand pumps like Blackmer (USA), Mouvex (France), Ebsray (Australia), Enviro Gear (Italy), Alma (France) etc.

The company is accredited to ISO 9001; 14001; OHSAS 18001 Standards that ensures the quality of the process and product.

We follow international fabrication standards: Authorized by ASME “U”, National Board “NB” and National board “R” stamp.

Objectives

Maintain leading position in the quality of manufacturing of transportation and process equipment.

Maintain excellent services by meeting National & International standards, Codes/Statutory regulations, Customer requirements.

Meet customer requirements in terms of Competitive prices, On-time delivery, Product operational requirements, Expertise & Efficiency that customer deserves.

Providing 24 Hours – After Sales Service to reduce breakdown time at customer end. As a quality conscious organization, the management is committed to understand the aspirations of Customers, Suppliers and its Employees and improve competencies of the employees and provide opportunity for growth.

Develop, Established and Maintain Quality System by integrating all the management’s functions and operations, which calls for participation of all employees and continual improvement of the organization in all function areas.
Acid Tanker Trailers

**Specification**
- **Capacity**: 6000 – 12000 IG
- **Shape**: Cylindrical or Customized
- **Compartment**: Single or Multiple compartment
- **Application**: For transportation of HCL 32%, Caustic Soda, Sodium Hypochlorite etc.
- **Construction**: Steel - SA 36/ST 52-3/SS 316/SS 316L
- **Axle**: Tandem/Trident – Mechanical/Air suspension – Under slung/Over slung
- **Tires**: Subject to Load/Terrain
- **Brake**: Two line air brake system, Optional ABS/EBS/Emergency/Spring assisted brakes
- **Pipe lines**: Top loading through man way
- **Discharge line**: Customized as per client requirements - With Valves & Unions
- **Valves**: All valve full Teflon coated to suit content
- **Man ways**: Quantity as per number of compartment for easy accessibility
- **Valve Coating**: All valve full Teflon coated to suit content
- **Safety devices**: Pressure & Vacuum relief valves
- **Level Indicator**: Optional tanker over turn protection
- **PVC – Dip stick type**: PVC – Dip stick type
- **Sight glass – Magnetic level indicator**: Sight glass – Magnetic level indicator

**Construction**
- All welded steel construction - Steel - SA 36/ST 52-3, Equivalent steel
- Vent – Separate vent for proper ventilation – 2 Nos.
- Axle – Multi leaf Mechanical/Air suspension – Tandem/Trident
- Tires – Twin tire fitment - As per Load/Terrain condition
- Brakes – Two line air brake system – Acting on all wheels – Automatic load sensing valve
- Landing gear – Two speed – Manual
- King pin – 2” or 3.5” – Interchangeable
- Electricals – 7 pin - 24V – Side lights, Reflectors, Reverse lights

**Internal Coating**: Derakane 411-45 or 470-300 or Rubber lining
**External Finish**: Grit blasting followed by three coat paint system

Bitumen Tanker Trailers

**Specification**
- **Capacity**: 25 – 45 MT
- **Application**: For transportation of Bitumen
- **Shape**: Elliptical / Cylindrical
- **Heater**: Diesel/Electrical burner – Fast heating with high efficiency
- **Insulation**: Rockwool insulation with cladding for temperature control
- **Accessories**: Knife edge valve for discharge
- **Tool box & GRP Water tank**: Grit blasting – SA 2.5 – Followed by three coat paint system

**Construction**
- All welded steel construction - Steel - SA 36/ST 52-3, Equivalent steel
- Vent – Separate vent for proper ventilation – 2 Nos.
- Axle – Multi leaf Mechanical/Air suspension – Tandem/Trident
- Tires – Twin tire fitment - As per Load/Terrain condition
- Brakes – Two line air brake system – Acting on all wheels – Automatic load sensing valve
- Landing gear – Two speed – Manual
- King pin – 2” or 3.5” – Interchangeable
- Electricals – 7 pin - 24V – Side lights, Reflectors, Reverse lights

**Refrigerated Tanker Trailers**

**Specification**
- **Capacity**: 6000 – 12000 IG
- **Shape**: Cylindrical or Customized
- **Compartment**: Single or Multiple compartment
- **Application**: For transportation of HCL 32%, Caustic Soda, Sodium Hypochlorite etc.
- **Construction**: Steel - SA 36/ST 52-3/SS 316/SS 316L
- **Axle**: Tandem/Trident – Mechanical/Air suspension – Under slung/Over slung
- **Tires**: Subject to Load/Terrain
- **Brake**: Two line air brake system, Optional ABS/EBS/Emergency/Spring assisted brakes
- **Pipe lines**: Top loading through man way
- **Discharge line**: Customized as per client requirements - With Valves & Unions
- **Valves**: All valve full Teflon coated to suit content
- **Man ways**: Quantity as per number of compartment for easy accessibility
- **Valve Coating**: All valve full Teflon coated to suit content
- **Safety devices**: Pressure & Vacuum relief valves
- **Level Indicator**: Optional tanker over turn protection
- **PVC – Dip stick type**: PVC – Dip stick type
- **Sight glass – Magnetic level indicator**: Sight glass – Magnetic level indicator

**Construction**
- All welded steel construction - Steel - SA 36/ST 52-3, Equivalent steel
- Vent – Separate vent for proper ventilation – 2 Nos.
- Axle – Multi leaf Mechanical/Air suspension – Tandem/Trident
- Tires – Twin tire fitment - As per Load/Terrain condition
- Brakes – Two line air brake system – Acting on all wheels – Automatic load sensing valve
- Landing gear – Two speed – Manual
- King pin – 2” or 3.5” – Interchangeable
- Electricals – 7 pin - 24V – Side lights, Reflectors, Reverse lights
Cement Bulker Banana Trailers

**Specification**

- **Capacity**: 6000 – 10000 USG
- **Shape**: Cylindrical, Elliptical, Double-D and Customized
- **Compartment**: Single or Multiple compartment
- **Application**: Suitable for HCL (Up to 32% concentration), Hypo, Caustic Soda, Fuel and other chemicals.
- **Pipe lines**: Top or Bottom loading
- **Construction**: All steel welded construction – Steel A 36/ST 52-3/Equivalent
  - Designed to operate under working pressure of above 2 Bar
  - Both ends of the tank are dished
  - Aeration system – Canvas hose with aluminum strip
  - Safety accessories – Pressure relief valve, Pressure gauge, Non return valve,
  - Discharge – Both side of the tank with air hoses, shut off valves
  - Man way at the top – 20”

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Chemical Tanker Trailers

**Specification**

- **Capacity**: 25 – 60 CBM
- **Application**: For transportation of Dry sand, Aggregate, Barite, Other commodities
- **Shape**: V / Banana type self-supporting body
- **Compression**: Air compressor – Piston type – With Deutz diesel engine
- **Accessories**: Discharge hoses – Steel wired
  - Spare wheel carrier
  - Rear anti run bumper
  - Mudguards & Mud flaps
  - Tool box & GRP Water tank
- **Finish**: Grit blasting followed by three coat paint system

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**Construction**

- All welded steel construction - Steel - SA 36/ST 52-3
- Vent – Separate vent for proper ventilation – 2 Nos.
- Axle – Multi leaf Mechanical/Air suspension – Tandem/Trident
- Tires – Twin tire fitment - As per Load/Terrain condition

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**Safety devices**

- Pressure & Vacuum relief valves
- Optical sensor to avoid spill over
- Emergency shut off
- Vent line & Spill over tray connected to optional scrubber tank
- Tank over turn protection

**Level indicator**

- PVC dipstick with maple wood
- Sight glass – Magnetic level indicator

**Internal coating**

- Epoxy primer, Coal tar epoxy for Water & Fuel application
- Derakane or Rubber lining for HCL and other highly corrosive chemicals

**External finish**

- Grit blasting followed by three coat paint system
Container Trailers

**Specification**

**Capacity:** 20, 30, 40, 45 feet and other customized containers

**Application:** For transportation of standard ISO, Nonstandard containers

**Accessories:**
- Spare wheel carrier to accommodate two spare tires
- Side & Rear anti run bumper
- Mudguards & Mud flaps
- Tool box & GRP Water tank
- Twist locks suitable for ISO containers – 4 to 12 numbers

**Construction**
- All welded steel construction - Steel - SA 36/ST 52-3/ Equivalent steel
- Axle – Mechanical suspension/Air suspension/Front axle lifting – Tandem/Trident
- Tires – As per Load/Terrain condition
- Brakes – Two line air brake system – Acting on all wheels
  - Automatic load sensing valve
- Landing gear – Two speed – Manual
- King pin – 2” or 3.5” – Interchangeable
- Electricals – 7 pin - 24V – Side lights, Reflectors, Reverse lights

**Finish:** Grit blasting followed by three coat paint system

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Vacuum/Sewage Tanker Trailers

**Specification**

**Capacity:** 6000 – 10000 IG

**Application:** For transportation of Sewage water, Treated water

**Shape**
- Cylindrical with outer rings for stiffening

**Pump**
- Trailer mounted - Pump with power pack
  - Diesel operated
- PTO driven pump – Mounted on prime mover

**Door**
- Full open type – With hinges at driver side at rear – Secured with set of clamps
- Sealed with neoprene rubber – Provision of greasing for clamp lubrication

**Safety Equipment**
- Pressure & Vacuum relief valve – To control pressure and vacuum inside tank
- Primary & Secondary cut off – To prevent water entering inside pump
- Combination gauge – Showing pressure and vacuum inside tank

**Construction**
- All welded steel construction - Steel - SA 36/ST 52-3, Equivalent steel
- Axle - Multi leaf Mechanical suspension - Tandem/Trident
- Tires - Twin tire fitment - As per Load/Terrain condition
- Brakes – Two line air brake system – Acting on all wheels – Automatic load sensing valve
- Landing gear – Two speed – Manual
- King pin – 2” or 3.5” – Interchangeable
- Electricals - 7 pin - 24V - Side lights, Reflectors, Reverse lights

**Finish**
- Grit blasting followed by three coat paint system

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**Accessories**
- Level Indicator – Slight glass – Showing level of content inside tank
- Optional 20’ inspection man way
- Spare wheel carrier to accommodate two spare tires
- Side & Rear anti run bumper
- Mudguards & Mud flaps
- Tool box & GRP Water tank
- Hose box with fill & discharge hoses - On either side of the tank

**Internal**
- A. Grit blasting – SA 2.5
- B. Epoxy / Coal tar coating – Two coats

**External**
- A. Grit blasting - SA 2.5
- B. Epoxy primer followed by two coat of paint
Flat Bed Trailers

**Specification**

**Capacity** : 15 – 60 Ton

**Application** : For transportation of Heavy equipment, General cargo, ISO containers, Other commodities

**Accessories** :
- Headboard with tarpaulin rack & ladder
- Rear grills – Removable type
- Spare wheel carrier to accommodate two spare tires
- Side stakes – Removable - With pockets
- Side & Rear anti run bumper
- Mudguards & Mud flaps
- Tool box & GRP Water tank
- Twist locks suitable for 20 & 40 feet containers

**Construction** :
- All welded steel construction - Steel - SA 36/ST 52-3, Equivalent steel
- Axle – Mechanical suspension/ Air suspension – Tandem/Trident
- Tires – As per Load/Terrain condition
- Brakes – Two line air brake system – Acting on all wheels – Automatic load sensing valve
- Landing gear – Two speed – Manual
- King pin – 2” or 3.5” – Interchangeable
- Electricals – 7 pin - 24V – Side lights, Reflectors, Reverse lights

**Finish** : Grit blasting followed by three coat paint system

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Water Tanker Trailers

**Specification**

**Capacity** : 25,000 – 45,000 LITERS

**Application** : For transportation of Drinking water, Non drinking water, Salt water, Agriculture water...

**Shape** :
- Elliptical, Double D-shape,
- Other Customized shape

**Pump** :
- Diesel or Petrol Engine driven – Mounted on tanker chassis
- PTO driven pump – Mounted on prime mover

**Construction** :
- All welded steel construction - Steel - SA 36/ST 52-3, Equivalent steel
- Vent – Separate vent for proper ventilation – 2 Nos.
- Foldable hand rail with walk way
- Optional spray bar with nozzles
- Axle – Multi leaf Mechanical suspension – Tandem/Trident
- Tires – Twin tire fitment - As per Load/Terrain condition
- Brakes – Two line air brake system – Acting on all wheels – Automatic load sensing valve
- Landing gear – Two speed – Manual
- King pin – 2” or 3.5” – Interchangeable
- Electricals – 7 pin - 24V – Side lights, Reflectors, Reverse lights

**Accessories** :
- Spare wheel carrier to accommodate two spare tires
- Side & Rear anti run bumper
- Mudguards & Mud flaps
- Tool box & GRP Water tank
- Hose box with fill & discharge hoses – On either side of the tank

**Finish** :
- Internal: A. Grit blasting – SA 2.5
  B. Epoxy coating – Two coats – To suit content
- External: A. Grit blasting - SA 2.5
  B. Epoxy primer followed by two coat of paint
Low Bed/Step Frame Trailers

Tipping/Dump Trailers

**Specification**

**Capacity** : 20 – 60 CBM

**Application** : For transportation of Dry sand, Aggregate, Rocks, Other commodities

**Shape** : Box type / Taper Door / Half pipe / Scow end

**Construction**

A. Sand application
- All welded steel construction - Steel - SA 36/ST 52-3, Equivalent steel
- Automatic opening/closing with claw lock mechanism

B. Rock application
- Front end hydraulic jack – 80/100 Ton
- Axle – Multi leaf Mechanical suspension – 3X16/18 Ton
- Tires – Twin tire fitment - As per Load/Terrain condition
- Brakes – Two line air brake system – Acting on all wheels – Automatic load sensing valve
- Landing gear – Two speed – Manual
- King pin – 2” or 3.5” – Interchangeable
- Electricals – 7 pin - 24V – Side lights, Reflectors, Reverse lights

**Finish**: Grit blasting followed by three coat paint system

**Accessories**
- Spare wheel carrier to accommodate two spare tires
- Mudguards & Mud flaps
- Tool box & GRP Water tank

**Loading Ramp**
- Rear ramp – Twin separate ramp / Full width single ramp – Hydraulic operated / Manual
- Front loading – Top deck foldable ramp – Hydraulic operated

**Construction**
- All welded steel construction - Steel - SA 36/ST 52-3, Equivalent steel
- Axle – Mechanical suspension/Air suspension – Tandem/Trident
- Tires – As per Load/Terrain condition
- Brakes – Two line air brake system – Acting on all wheels – Automatic load sensing valve
- Landing gear – Two speed – Manual
- King pin – 2” or 3.5” – Interchangeable
- Electricals – 7 pin - 24V – Side lights, Reflectors, Reverse lights

**Finish**: Grit blasting followed by three coat paint system

**Accessories**
- Spare wheel carrier to accommodate two spare tires
- Side & Rear anti run bumper
- Mudguards & Mud flaps
- Tool box & GRP Water tank

**Loading Ramp**
- Rear ramp – Twin separate ramp / Full width single ramp – Hydraulic operated / Manual
- Front loading – Top deck foldable ramp – Hydraulic operated

**Construction**
- All welded steel construction - Steel - SA 36/ST 52-3, Equivalent steel
- Axle – Mechanical suspension/Air suspension – Tandem/Trident
- Tires – As per Load/Terrain condition
- Brakes – Two line air brake system – Acting on all wheels – Automatic load sensing valve
- Landing gear – Two speed – Manual
- King pin – 2” or 3.5” – Interchangeable
- Electricals – 7 pin - 24V – Side lights, Reflectors, Reverse lights

**Finish**: Grit blasting followed by three coat paint system

**Accessories**
- Spare wheel carrier to accommodate two spare tires
- Mudguards & Mud flaps
- Tool box & GRP Water tank

**Construction**
- All welded steel construction - Steel - SA 36/ST 52-3, Equivalent steel
- Axle – Mechanic
Fuel Tanker

**Specification**

- **Capacity**: 800 – 5000 IG
- **Shape**: Elliptical, Double-D or Customized
- **Compartment**: Single or Multiple compartment
- **Application**: For transportation of Diesel, Petrol, Crude oil etc.
- **Construction**: All steel weld construction

- **Pipe lines**
  - Top or Bottom loading
  - Fill line – Customized as per client requirements - With Valves & Unions
  - Discharge line - Customized as per client requirements - With Valves & Unions
  - Vapor Recovery line – Optional

- **Safety devices**
  - Pressure & Vacuum relief valves
  - Optical sensor to avoid spill over
  - Brake interlock
  - Emergency shut off
  - Vent line & Spill over tray connected to optional scrubber tank

**Man ways**: Quantity as per number of compartment for easy accessibility

**Level Indicator**: PVC/Aluminum dipstick
  - Sight glass – Magnetic level indicator

**Internal Coating**: Epoxy primer/Diesel wash

**External Finish**: Grit blasting followed by three coat paint system

**Hook Loader**

**Specification**

- **Capacity**: 18, 20 & 24 Ton lift and tip capacity
- **Construction**: All steel welded construction

**Key Features**

- Lower loading/unloading angle achieved by foldable arm
- Risk of load unbalance can be reduce by lower loading and unloading angle
- Suitable with almost all skips. Hook height compatible SMS as well DIN standards
- Various length of containers can be loaded
- Low transport height and long outreach
- Robust design, Integrated cross member provides strength and long life

**Finish**: Grit blasting followed by three coat paint system

**Accessories**

- Ergonomic cab control + Outside control
- Roller/Articulated pad stabilizer with optional interlock
- Container roller guide
- Spare wheel carrier to accommodate spare tires
- Side & Rear anti run bumper
- Mudguards & Mud flaps
- Tool box & GRP Water tank
Cement Mixer

Speciﬁcation

Capacity : 5-14 CBM
Application : Mixing and delivering concrete mixer
Construction : All steel welded construction
Key Features : Drum and blade made from special grade steel (Abrasive resistant)
 : Rotation control – Mechanical with double rack lever
 : Robust design, Integrated cross member provides strength and long life

Accessories

• Gear Box – Eaton / ZF / Alternative
• Pump – Eaton / Rexroth / Alternative
• Radiator – AKG 089
• Swivel type discharge chute – Can rotate at 180 deg
• Oil cooling system, washing hose, access ladder / platform
• Spare wheel carrier to accommodate spare tires
• Side & Rear anti run bumper
• Mudguards & Mud flaps

Finish : Grit blasting followed by three coat paint system

Refuse Compactors

Speciﬁcation

Capacity : Body = 5 – 22 CBM
Application : For transportation/compaction of waste material size
Construction : All welded steel construction - Steel - SA 36/ST 52-3/Equivalent steel
Compaction : Garbage taken inside body via sweeper shovel-actuated by two double acting hyd cylinders
 : Garbage pushed into the body by two double acting sledge cylinders
Lifting : Tail gate raise achieved by two double acting cylinders
 : Equipped with safety device to prevent tail gate falling abruptly in case of hose burst/failure
Electricals : 7 pin - 24V – Side lights, Reflectors
Pump : Diesel or Petrol Engine driven – Mounted on chassis
 : PTO driven pump

Accessories

• Spare wheel carrier to accommodate spare tire
• Side & Rear anti run bumper
• Mudguards & Mud flaps
• Tool box & GRP Water tank

Finish
External : A. Grit blasting - SA 2.5
B. Epoxy primer followed by two coat of paint
Vacuum Sewage Tanks

Specification

Capacity: 1000 – 5000 IG
Application: For transportation of Sewage water, Treated water, etc.
Shape: Cylindrical with outer rings for stiffening
Construction: All welded steel construction - Steel - SA 36/ST 52-3/Equivalent steel
Electricals: 7 pin - 24V – Side lights, Reflectors, Reverse lights
Pump: PTO driven vacuum pump
Door: Full open type – With hinges at driver side at rear – Secured with set of clamps
Security Equipment: Sealed with neoprene rubber – Provision of greasing for clamp lubrication

Accessories
- Level Indicator – Slight glass – Showing level of content inside tank
- Optional 20” inspection man way
- Spare wheel carrier to accommodate spare tire
- Side & Rear anti run bumper
- Mudguards & Mud flaps
- Tool box & GRP Water tank
- Hose box with fill & discharge hoses – On either side of the tank

Water Tanker

Specification

Capacity: 800 – 5000 IG
Application: For transportation of Drinking water, Non drinking water, Salt water, Agriculture water...
Shape: Elliptical, Double D-shape, Other Customized shape
Construction: All welded steel construction - Steel - SA 36/ST 52-3/Equivalent steel
Electricals: 7 pin - 24V – Side lights, Reflectors, Reverse lights
Pump: PTO driven vacuum pump
Door: Full open type – With hinges at driver side at rear – Secured with set of clamps
Security Equipment: Sealed with neoprene rubber – Provision of greasing for clamp lubrication

Accessories
- Spare wheel carrier to accommodate spare tire
- Side & Rear anti run bumper
- Mudguards & Mud flaps
- Tool box & GRP Water tank
- Hose box with fill & discharge hoses – On either side of the tank

Safety Equipment
- Pressure & Vacuum relief valve – To control pressure and vacuum inside tank
- Primary & Secondary cut off – To prevent water entering inside pump
- Combination gauge – Showing pressure and vacuum inside tank

Finish
Internal: A. Grit blasting – SA 2.5
B. Epoxy / Coal tar coating – Two coats

External: A. Grit blasting - SA 2.5
B. Epoxy primer followed by two coat of paint

Specification

Capacity: 1000 – 5000 IG
Application: For transportation of Sewage water, Treated water, etc.
Shape: Cylindrical with outer rings for stiffening
Construction: All welded steel construction - Steel - SA 36/ST 52-3/Equivalent steel
Electricals: 7 pin - 24V – Side lights, Reflectors, Reverse lights
Pump: PTO driven vacuum pump
Door: Full open type – With hinges at driver side at rear – Secured with set of clamps
Security Equipment: Sealed with neoprene rubber – Provision of greasing for clamp lubrication

Accessories
- Level Indicator – Slight glass – Showing level of content inside tank
- Optional 20” inspection man way
- Spare wheel carrier to accommodate spare tire
- Side & Rear anti run bumper
- Mudguards & Mud flaps
- Tool box & GRP Water tank
- Hose box with fill & discharge hoses – On either side of the tank

Safety Equipment
- Pressure & Vacuum relief valve – To control pressure and vacuum inside tank
- Primary & Secondary cut off – To prevent water entering inside pump
- Combination gauge – Showing pressure and vacuum inside tank

Finish
Internal: A. Grit blasting – SA 2.5
B. Epoxy / Coal tar coating – Two coats

External: A. Grit blasting - SA 2.5
B. Epoxy primer followed by two coat of paint
Skip Loaders

**Specification**

**Capacity**: 10, 12, 14 & 18 Ton lifting capacity

**Construction**: All steel welded construction

**Key Features**
- Retractable arms with low hook lift
- Suitable with almost all skips
- Hook height compatible SMS as well DIN standards
- Two speed, Easy hand operation, Emergency stop
- Low transport height and long outreach
- Robust design, Integrated cross member provides strength and long life

**Accessories**
- Ergonomic cab control + Outside control
- Radio remote control
- Roller/Articulated pad stabilizer with optional interlock
- Single/Double tipping hook with chain protection
- Container stopper
- Spare wheel carrier to accommodate spare tires
- Side & Rear anti run bumper
- Mudguards & Mud flaps
- Tool box & GRP Water tank

**Finish**: Grit blasting followed by three coat paint system

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Tippers

**Specification**

**Capacity**: 5 – 22 CBM

**Application**: For transportation of Dry sand, Aggregate, Rocks, Other commodities

**Shape**: Box type / Taper Door / Half pipe / Scow end

**Construction**

**A. Sand Application**
- All welded steel construction - Steel - SA 36/ST 52-3, Equivalent steel
- Door: Automatic opening/closing with claw lock mechanism

**B. Rock Application**
- All welded steel construction – Steel for tipper is Hardox – 450
- Welded angles all over inside body to take care of rock impact load
- Door: Scow end door with chain mechanism
- Front end hydraulic jack / Under body jack
- Electicals – 7 pin - 24V – Side lights, Reflectors

**Accessories**
- Spare wheel carrier to accommodate spare tires
- Side & Rear anti run bumper
- Mudguards & Mud flaps
- Tool box & GRP Water tank

**Finish**: Grit blasting followed by three coat paint system
Jetting Tankers

Accessories
- Level Indicator – Slight glass – Showing level of content inside tank
- Optional 20" inspection man way
- Spare wheel carrier to accommodate spare tire
- Side & Rear anti run bumper
- Mudguards & Mud flaps
- Tool box & GRP Water tank
- Hose box with fill & discharge hoses – On either side of the tank

Finish
Internal
A. Grit blasting – SA 2.5
B. Epoxy / Coal tar coating – Two coats

External
A. Grit blasting - SA 2.5
B. Epoxy primer followed by two coat of paint

Tripod

Capacity
Internal A. Grit blasting – SA 2.5
B. Epoxy / Coal tar coating – Two coats

External A. Grit blasting - SA 2.5
B. Epoxy primer followed by two coat of paint

Testing/Inspection
- Tank weld joints – MPI / Radiography –
  As per client requirements
- Lifting lugs - Load test –
  MPI testing -
  Certified for empty lift -
  Witnessed by qualified third party
- Hydro test –
  As per working pressure –
  Witnessed by qualified third party

External Finish
Grit blasting followed by three coat paint system
Acid/Chemical Tanker

Valves: All valve full Teflon coated to suit content.
Man ways: Quantity as per number of compartment for easy accessibility.
Safety devices: Pressure & Vacuum relief valves.
Level Indicator: PVC – Dip stick type.
Optional: Supply and fitment of pump suitable for content.
Internal Coating: Derakane 411-45 or 470-300 or Rubber lining.
External Finish: Grit blasting followed by three coat paint system.

Valves
- All valve full Teflon coated to suit content
- Quantity as per number of compartment for easy accessibility
- Man way surrounded by FRP spill over tray
Safety devices
- Pressure & Vacuum relief valves
- Optional tanker over turn protection
Optional
- Sight glass – Magnetic level indicator
Internal Coating
- Derakane 411-45 or 470-300 or Rubber lining
External Finish
- Grit blasting followed by three coat paint system

Speciation
- Capacity: 6000 – 12000 IG
- Shape: Cylindrical or Customized
- Compartment: Single or Multiple compartment
- Application: Uniform cement slurry blending,
- Mixing of slurries and other chemicals
- Suitable for Slurry, HCL (Up to 32% concentration) & other chemicals.
- Engine: Engine package is mounted on vibration isolators.
- Gear box: Funk / Other options
- Hydraulic Pump: Two numbers – Driven by hydraulic motors – Parker Denison / Other options
- Centrifugal Pump: Two numbers – 6 X 5 X 11 – Hydraulically driven
- Agitator: One number per tank – Driven by hydraulic motor – Poclain / Other options
- Valves: PTFE coated valve for acid application / Optional actuator operated
- Man ways: One number on each tank – Hinged type
- Level Indicator: Engraved level indicator on each tank

Pipe lines
- Top loading through man way
- Discharge line – Customized as per client requirements
- With Valves & Unions
- Spill over line – Connected to scrubber tank

Accessories
- Acid resistant hoses with FRP tray – 2 Sets
- Scrubber tank to collect spill over with drain – Internally lined
- Spare wheel carrier to accommodate two spare tires
- Side & Rear anti run bumper
- Mudguards & Mud flaps
- Tool box & GRP Water tank

Batch Mixer

Capacity: 2X50 BBL – 2X60 BBL – 2X75 BBL – 2X100 BBL
Type: Skid or Trailer mounted
Application: Uniform cement slurry blending,
- Mixing of slurries and other chemicals
- Suitable for Slurry, HCL (Up to 32% concentration) & other chemicals.
Engine: Engine package is mounted on vibration isolators.
- Diesel operated – 300-350 HP - Controlled electronically – Caterpillar / Detroit / Other options
Gear box: Funk / Other options
Hydraulic Pump: Two numbers – Driven by hydraulic motors – Parker Denison / Other options
Centrifugal Pump: Two numbers – 6 X 5 X 11 – Hydraulically driven
Agitator: One number per tank – Driven by hydraulic motor – Poclain / Other options
Valves: PTFE coated valve for acid application / Optional actuator operated
Man ways: One number on each tank – Hinged type
Level Indicator: Engraved level indicator on each tank

Construction
- Two number of tanks – Skid or Trailer mounted
- Steel - SA 36, S16 Gr.70, ST S2-3, Equivalent steel
- Engine package is mounted on vibration isolators
- Diesel operated – 300-350 HP - Controlled electronically – Caterpillar / Detroit / Other options
- Gear box: Funk / Other options
- Hydraulic Pump: Two numbers – Driven by hydraulic motors – Parker Denison / Other options
- Centrifugal Pump: Two numbers – 6 X 5 X 11 – Hydraulically driven
- Agitator: One number per tank – Driven by hydraulic motor – Poclain / Other options
- Valves: PTFE coated valve for acid application / Optional actuator operated
- Man ways: One number on each tank – Hinged type
- Level Indicator: Engraved level indicator on each tank

External Finish
- Grit blasting followed by three coat paint system

Accessories
- Acid resistant hoses with FRP tray – 2 Sets
- Scrubber tank to collect spill over with drain – Internally lined
- Spare wheel carrier to accommodate two spare tires
- Side & Rear anti run bumper
- Mudguards & Mud flaps
- Tool box & GRP Water tank

Construction
- Two number of tanks – Skid or Trailer mounted
- Steel - SA 36, S16 Gr.70, ST S2-3, Equivalent steel
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- Diesel operated – 300-350 HP - Controlled electronically – Caterpillar / Detroit / Other options
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- Man ways: One number on each tank – Hinged type
- Level Indicator: Engraved level indicator on each tank

External Finish
- Grit blasting followed by three coat paint system

Accessories
- Acid resistant hoses with FRP tray – 2 Sets
- Scrubber tank to collect spill over with drain – Internally lined
- Spare wheel carrier to accommodate two spare tires
- Side & Rear anti run bumper
- Mudguards & Mud flaps
- Tool box & GRP Water tank
Cement Bulker Banana Tankers

**Specification**

- **Capacity**: Single Silo - 750 – 3500 CFT
- **Type**: U-stamp, Non U-stamp
- **Shape**: “V” type with self-supporting tank construction
- **Compartments**: Provisional Single or Multiple compartment
- **Application**: Suitable for Slurry, Water, HCL (Up to 32% concentration), Crude oil and other chemicals

**Pipe lines**
- Fill line – With Valves Unions – One or Two – As per client requirements
- Discharge through sump – On both sides – With valves & unions
- Vent line – With Valves unions

**Construction**
- Steel - SA 36, S16 Cr.70, ST S2-3, Equivalent steel
- Axle – Tandem / Trident axle – Mechanical suspension
- Tires – Suitable for load / terrain condition
- Brake – Two line air brake system, Spring assisted brakes
- King pin – 2” – JOST – Interchangeable with 3.5”
- Landing Leg – JOST - 2 Speed
- Electricals – 7 pin - 24V – Side lights, Reflectors, Reverse lights

**Accessories**
- Pressure relief valve
- Pressure gauge
- Ladder with bolted cage
- Provision for mounting compression load cell

**External Finish**
- Grit blasting followed by three coat paint system

---

**Cement Silos Gravity & Pressure**

**Specification**

- **Capacity**: 20 – 60 CBM
- **Certification**: U-stamp, Non U-stamp
- **Shape**: "V" type with self-supporting tank construction
- **Compartments**: Provisional Single or Multiple compartment
- **Application**: Suitable for Slurry, Water, HCL (Up to 32% concentration), Crude oil and other chemicals

**Pipe lines**
- Fill line – With Valves Unions – One or Two – As per client requirements
- Discharge through sump – On both sides – With valves & unions
- Vent line – With Valves unions

**Construction**
- Steel - SA 36, S16 Cr.70, ST S2-3, Equivalent steel
- Axle – Tandem / Trident axle – Mechanical suspension
- Tires – Suitable for load / terrain condition
- Brake – Two line air brake system, Spring assisted brakes
- King pin – 2” – JOST – Interchangeable with 3.5”
- Landing Leg – JOST - 2 Speed
- Electricals – 7 pin - 24V – Side lights, Reflectors, Reverse lights

**Accessories**
- Pressure relief valve
- Pressure gauge
- Ladder with bolted cage
- Provision for mounting compression load cell

**External Finish**
- Grit blasting followed by three coat paint system
## Centrifugal Pump Skid

### Specification

<table>
<thead>
<tr>
<th>Type</th>
<th>Heavy duty skid mounted – Four numbers of lifting lugs – Optional DNV 2.71 certified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td>To pump variety of fluids including acid solution</td>
</tr>
<tr>
<td>Engine</td>
<td>Caterpillar / Cummins / Deutz – 68-84 BHP</td>
</tr>
<tr>
<td>Gear box</td>
<td>Funk / Other options</td>
</tr>
<tr>
<td>Centrifugal Pump</td>
<td>Serva / Gardner Denver / Cummins – 6 X 5 X 11</td>
</tr>
<tr>
<td>Clutch</td>
<td>PTO driven – Manual</td>
</tr>
<tr>
<td>Suction/Discharge</td>
<td>4&quot; Suction &amp; Discharge connections terminated with FIG 207/206 connections</td>
</tr>
<tr>
<td>Option</td>
<td>Optional PTFE coated valves and Derakane lining for acid application</td>
</tr>
<tr>
<td>External Finish</td>
<td>Grit blasting followed by three coat paint system</td>
</tr>
</tbody>
</table>

## Storage Tanks

### Specification

<table>
<thead>
<tr>
<th>Capacity</th>
<th>300 – 500 BBL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Cylindrical / Rectangular / Customized</td>
</tr>
<tr>
<td>Application</td>
<td>Storage of Water, Fluid, HCL (32%) etc</td>
</tr>
<tr>
<td>Construction</td>
<td>Steel - SA 36, 516 Gr.70, ST 52-3, Equivalent steel</td>
</tr>
<tr>
<td>Pipe lines</td>
<td>Fill line – With Valves &amp; Hammering unions – One or Two – As per client requirements</td>
</tr>
<tr>
<td></td>
<td>Discharge Manifold (6’/8’/10’) – 2-4 number of outlets – With Valves &amp; Hammering unions</td>
</tr>
<tr>
<td></td>
<td>Vent line – One number per compartment - With Valves &amp; Hammering unions</td>
</tr>
<tr>
<td></td>
<td>Drain line - One number per compartment - With Valves &amp; Hammering unions</td>
</tr>
<tr>
<td>Man ways</td>
<td>At top for easy accessibility</td>
</tr>
<tr>
<td>Walkway</td>
<td>Walkway with foldable hand rail</td>
</tr>
<tr>
<td>Level Indicator</td>
<td>PVC dipstick with maple wood</td>
</tr>
<tr>
<td></td>
<td>Sight glass – Magnetic level indicator</td>
</tr>
<tr>
<td>Internal Coating</td>
<td>Epoxy primer, Coal tar epoxy for Water &amp; Slurry application</td>
</tr>
<tr>
<td></td>
<td>Derakane or Rubber lining for HCL and other highly corrosive chemicals</td>
</tr>
<tr>
<td>External Finish</td>
<td>Grit blasting followed by three coat paint system</td>
</tr>
</tbody>
</table>
Cutting Bottles

Specification

Capacity: 50 - 240 CFT
Type: U-stamp, Non U-stamp
Application: Cement, Barite, Bentonite, etc
Construction: Steel - SA 36, 516 Gr.70, ST 52-3, Equivalent steel
Pipe lines: Fill / Vent / Discharge line – Terminated with Valves & Hammering unions/ Customized
Man ways: At bottom – For easy accessibility

Testing/Inspection
- Tank weld joints – MPI / Radiography – As per client requirements
- Lifting lugs - Load test – MPI testing - Certified for empty lift - Witnessed by qualified third party
- Hydrotest – As per working pressure – Witnessed by qualified third party

Accessories
- Hopper at top with cutting blades
- Pressure relief valve
- Pressure gauge
- Provision for mounting compression load cell

External Finish
- Grit blasting followed by three coat paint system

Dust Collectors

Specification

Capacity: 50 - 75 CFT
Construction: Steel - SA 36, 516 Gr.70, ST 52-3, Equivalent steel
Pipe lines: Fill / Vent / Discharge line – Terminated with Valves & Hammering unions/ Customized
Man ways: At bottom – For easy accessibility

Testing/Inspection
- Tank weld joints – MPI / Radiography – As per client requirements
- Lifting lugs - Load test – MPI testing - Certified for empty lift - Witnessed by qualified third party
- Pneumatic test – As per working pressure

Accessories
- Provision for mounting compression load cell

External Finish: Grit blasting followed by three coat paint system
## Frac Tank

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td>300 BBL - 500 BBL</td>
</tr>
<tr>
<td><strong>Shape</strong></td>
<td>Rectangular with -</td>
</tr>
<tr>
<td></td>
<td>A. Bottom round &amp; top flat,</td>
</tr>
<tr>
<td></td>
<td>B. Bottom &amp; Top round,</td>
</tr>
<tr>
<td></td>
<td>C. Bottom &quot;V&quot; &amp; top flat</td>
</tr>
<tr>
<td><strong>Compartment</strong></td>
<td>Single or Multiple compartment</td>
</tr>
<tr>
<td><strong>Application</strong></td>
<td>Suitable for Slurry, Water, HCL (Up to 32% concentration), Crude oil and other chemicals.</td>
</tr>
<tr>
<td><strong>Construction</strong></td>
<td>Steel - SA 36, 516 Gr.70, ST 52-3, Equivalent steel</td>
</tr>
<tr>
<td></td>
<td>Axle – 12/15 Ton – Mechanical suspension – Under slung</td>
</tr>
<tr>
<td></td>
<td>Tires – 11 R 22.5</td>
</tr>
<tr>
<td></td>
<td>Brake – Two line air brake system, Spring assisted brakes</td>
</tr>
<tr>
<td><strong>Pipe lines</strong></td>
<td>Fill line – With Valves &amp; Hammering unions</td>
</tr>
<tr>
<td></td>
<td>Discharge Manifold (6’/8’/10”) – 2-4 number of outlets –</td>
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<tr>
<td></td>
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</tr>
<tr>
<td></td>
<td>Drain line – One number per compartment - With Valves &amp; Hammering unions</td>
</tr>
</tbody>
</table>

- **Man ways**: Minimum 2 numbers – One at bottom and one at top for easy accessibility
- **Level Indicator**: PVC dipstick with maple wood
- **Internal Coating**: Epoxy primer, Coal tar epoxy for Water & Slurry application
- **External Finish**: Epoxy primer, Coal tar epoxy for Water & Slurry application
- **Internal Coating**: Derakane or Rubber lining for HCL & other highly corrosive chemicals
- **External Finish**: Grit blasting followed by three coat paint system
- **Pipe lines**: Fill line – With Valves & Hammering unions
- **Man ways**: Minimum 2 numbers – One at bottom and one at top for easy accessibility
- **Level Indicator**: PVC dipstick with maple wood
- **Internal Coating**: Epoxy primer, Coal tar epoxy for Water & Slurry application
- **External Finish**: Grit blasting followed by three coat paint system
- **Internal Coating**: Derakane or Rubber lining for HCL & other highly corrosive chemicals
- **External Finish**: Grit blasting followed by three coat paint system

## Weigh Batch Blender

<table>
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<tbody>
<tr>
<td><strong>Capacity</strong></td>
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</tr>
<tr>
<td><strong>Type</strong></td>
<td>U-stamp, Non U-stamp</td>
</tr>
<tr>
<td><strong>Application</strong></td>
<td>Cement, Barite, Bentonite, etc</td>
</tr>
<tr>
<td><strong>Construction</strong></td>
<td>Steel - SA 36, 516 Gr.70, ST 52-3, Equivalent steel</td>
</tr>
<tr>
<td><strong>Pipe lines</strong></td>
<td>Fill / Vent / Discharge line – Terminated with Valves &amp; Hammering unions/Customized</td>
</tr>
<tr>
<td><strong>Man ways</strong></td>
<td>At bottom – For easy accessibility</td>
</tr>
<tr>
<td><strong>Testing/Inspection</strong></td>
<td>Tank weld joints – MPI / Radiography –</td>
</tr>
<tr>
<td></td>
<td>Lifting lugs - Load test – MPI testing - Certified for empty lift - Witnessed by qualified third party</td>
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<td>Hydro test – As per working pressure – Witnessed by qualified third party</td>
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<tr>
<td><strong>Accessories</strong></td>
<td>Hopper at top with cutting blades</td>
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<tr>
<td></td>
<td>Pressure relief valve</td>
</tr>
<tr>
<td></td>
<td>Pressure gauge</td>
</tr>
<tr>
<td></td>
<td>Provision for mounting compression load cell</td>
</tr>
<tr>
<td><strong>External Finish</strong></td>
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</tbody>
</table>
Storage tanks are commonly employed in oil and gas industry for the storage of fluids at different stages of the process and a variety of other industries consuming or producing liquids and vapors.

Storage tanks are primarily used in the oil and gas industry for the storage of fluids at different stages of the process. Most often, products are stored for a short time before being transported for further processing. Most such tanks are designed and built in accordance with American Petroleum Institute API-650 specifications. These tanks can range in size from 2m to 60m diameter. We are specialized in fabrication and erection of Fixed-Roof tanks, External floating-roof tanks, Internal floating-roof tanks, Domed external floating-roof tanks.

QHSE

Acorn Equipped with:
- ASNT Level II certified inspectors
- Certified welding procedures
- NEBOSH certified Engineers
- IOSH certified Engineers
- Certified First aiders
- Certified Fire fighters
- Certified ISO 9001:2015 Internal Auditors

Our principles, vision and commitment to quality, health, safety and environment is set down in our QHSE policy. This policy guides our day-to-day operations and actions and serves as an important benchmark for evaluating and ever-improving our performance.

The Integrated Management System (IMS) is our core tool for managing and continuously improving our performance. It helps us achieve our QHSE objectives and targets.

Our excellence in QHSE is proven time and again in the work we do and certified according to different international standards and a range of other requirements.

- ASME “U” STAMP Certified company
- ASME “R” STAMP Certified company
- ISO 9001:2015 Certified Company
- ISO 14001:2015 Certified Company
- OHSAS 18001:2007 Certified Company
Acorn Infrastructure
Acorn Industries Co. LLC

- PO Box 6659, Sharjah, UAE
- +971 6 5360818
- +971 6 5360819
- sales.transportation@acornuae.com
- sales.oilfield@acornuae.com
- www.acornuae.com